

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|--------------------|------------------|---------|------------------|
| S1 | 3 | ((("4725562") or ("5770465") or ("6358785")).PN. | US-PGPUB; USPAT | OR | OFF | 2005/07/14 10:45 |
| S2 | 2467 | collector and base and emitter and trench | US-PGPUB; USPAT | OR | OFF | 2005/02/03 12:28 |
| S3 | 257 | S2 and subcollector | US-PGPUB; USPAT | OR | OFF | 2005/02/03 12:29 |
| S4 | 159 | S3 and trench same base | US-PGPUB; USPAT | OR | OFF | 2005/02/03 12:29 |
| S5 | 16 | S4 and trench near (depth or thick\$) | US-PGPUB; USPAT | OR | OFF | 2005/02/03 12:40 |
| S6 | 0 | S2 and trench near ("50" near (microns or mu)) | US-PGPUB; USPAT | OR | OFF | 2005/02/03 12:41 |
| S7 | 0 | S2 and trench same ("50" near (microns or mu)) | US-PGPUB; USPAT | OR | OFF | 2005/02/03 12:41 |
| S8 | 0 | S2 and trench same ("50" near microns) | US-PGPUB; USPAT | OR | OFF | 2005/02/03 12:41 |
| S9 | 2 | S2 and trench same ("100" near microns) | US-PGPUB; USPAT | OR | OFF | 2005/02/03 12:41 |
| S10 | 2467 | collector and emitter and base and trench | US-PGPUB; USPAT | OR | OFF | 2005/02/03 16:12 |
| S11 | 3 | S10 and (trench near (microns or mu)) | US-PGPUB; USPAT | OR | OFF | 2005/02/03 14:44 |
| S12 | 77 | S10 and (trench near7 (microns or mu)) | US-PGPUB; USPAT | OR | OFF | 2005/02/03 14:28 |
| S13 | 33 | (trench near7 ("50" near (microns or mu))) | US-PGPUB; USPAT | OR | OFF | 2005/02/03 14:30 |
| S14 | 2 | (trench near7 depth near ("100" near (microns or mu))) | US-PGPUB; USPAT | OR | OFF | 2005/02/03 14:31 |
| S15 | 0 | S10 and (trench near (micrometers)) | US-PGPUB; USPAT | OR | OFF | 2005/02/03 14:44 |
| S16 | 34 | S10 and (trench near7 (micrometers)) | US-PGPUB; USPAT | OR | OFF | 2005/02/03 14:44 |
| S17 | 1 | "4259680".PN. | USPAT; USOCR | OR | OFF | 2005/02/03 14:48 |
| S18 | 1 | "5065208".PN. | USPAT; USOCR | OR | OFF | 2005/02/03 14:48 |
| S19 | 1 | ("6358785").PN. | US-PGPUB; USPAT | OR | OFF | 2005/02/03 15:47 |
| S20 | 2 | ((("4725562") or ("5770465")).PN. | US-PGPUB; USPAT | OR | OFF | 2005/02/03 15:47 |
| S21 | 67 | S10 and trench near base | US-PGPUB; USPAT | OR | OFF | 2005/02/03 16:13 |

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| S22 | 646 | collector and base and emitter and ((collector and base and (emitter) adj electrode) and trench) | US-PGPUB; USPAT | OR | OFF | 2005/02/03 16:14 |
| S23 | 287 | (collector and base and emitter and ((collector and base and emitter) adj electrode) and trench) | US-PGPUB; USPAT | OR | OFF | 2005/02/03 16:14 |
| S24 | 9 | S23 and trench near base | US-PGPUB; USPAT | OR | OFF | 2005/02/03 16:14 |
| S25 | 2 | "3385729".PN. | USPAT; USOCR | OR | OFF | 2005/02/03 16:22 |
| S26 | 1 | "3603820".PN. | USPAT; USOCR | OR | OFF | 2005/02/03 16:23 |
| S27 | 1 | "4048649".PN. | USPAT; USOCR | OR | OFF | 2005/02/03 16:23 |
| S28 | 1 | "4110779".PN. | USPAT; USOCR | OR | OFF | 2005/02/03 16:23 |
| S29 | 1 | "4174252".PN. | USPAT; USOCR | OR | OFF | 2005/02/03 16:23 |
| S30 | 1 | "4196440".PN. | USPAT; USOCR | OR | OFF | 2005/02/03 16:24 |
| S31 | 1 | "4242156".PN. | USPAT; USOCR | OR | OFF | 2005/02/03 16:24 |
| S32 | 1 | "4369565".PN. | USPAT; USOCR | OR | OFF | 2005/02/03 16:24 |
| S33 | 1 | "4519128".PN. | USPAT; USOCR | OR | OFF | 2005/02/03 16:30 |
| S34 | 2467 | collector and base and emitter and trench | US-PGPUB; USPAT | OR | OFF | 2005/02/03 16:51 |
| S35 | 257 | S34 and subcollector | US-PGPUB; USPAT | OR | OFF | 2005/02/03 16:51 |
| S36 | 15 | (collector and subcollector and base and emitter and (trench near depth)) | US-PGPUB; USPAT | OR | OFF | 2005/07/14 10:49 |
| S37 | 0 | S36 and depth near micron\$ | US-PGPUB; USPAT | OR | OFF | 2005/07/14 10:49 |
| S38 | 4 | S36 and depth same micron\$ | US-PGPUB; USPAT | OR | OFF | 2005/07/14 10:49 |
| S39 | 27 | ((collector and subcollector and base and emitter and (trench same depth)) and micron\$) | US-PGPUB; USPAT | OR | OFF | 2005/07/14 10:56 |
| S40 | 1 | "20020130362" | US-PGPUB; USPAT | OR | OFF | 2005/07/14 10:57 |
| S41 | 328352 | trench near "50" micron\$ | US-PGPUB; USPAT | OR | OFF | 2005/07/14 10:57 |
| S42 | 0 | (trench near ("50" adj micron\$)) | US-PGPUB; USPAT | OR | OFF | 2005/07/14 10:58 |

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| S43 | 8 | (trench near ("100" adj micron\$)) | US-PGPUB; USPAT | OR | OFF | 2005/07/14 11:02 |
| S44 | 228 | (collector and base and emitter and (trench same (breakdown adj voltage))) | US-PGPUB; USPAT | OR | OFF | 2005/07/14 11:02 |
| S45 | 0 | S44 and ((breakdown adj voltage) near 500v) | US-PGPUB; USPAT | OR | OFF | 2005/07/14 11:03 |
| S46 | 1 | S44 and ((breakdown adj voltage) near "500") | US-PGPUB; USPAT | OR | OFF | 2005/07/14 11:04 |